Undergraduate-Level Teacher Certification Checklist
(Undergrad-level Post-Baccalaureate)
SECONDARY MATH (Grades 9-12)

Columbia College established 1851

Education department

POST BACCALAUREATE STUDENTS ARE ONLY ELIGIBLE TO TAKE COURSES REQUIRED FOR CERTIFICATION. NON-CERTIFICATION COURSES ARE NOT COVERED BY FINANCIAL AID.

NOTE: If a bachelor's degree in Math has been completed, specific math courses listed in the Content Area section below are <u>not</u> required.

CONTENT AREA COURSEWORK FOR MATH* **33 hrs minimum**

Grade	Course #	Course Title	Cr Hrs
	Choose:	**Algebra** Choose from: MATH 150 - College Algebra, EDUC 155 - Algebraic Reasoning for Elementary and Middle School Teachers, MATH 303 - Linear Algebra, or MATH 304 - Introduction to Abstract Algebra	3
	Choose:	**Geometry** Choose from: EDUC 165 - Geometric Reasoning for Elementary and Middle School Teachers or MATH 331 - Foundations of Geometry	3
	MATH 180	**Trigonometry** MATH 180 - Precalculus (using 1/2 of course here and 1/2 below)	1.5
	MATH 180	**Precalculus** MATH 180 - Precalculus (using 1/2 of course here and 1/2 above)	1.5
	Choose:	**Calculus** Choose from: MATH 201 - Calculus and Analytical Geometry I, MATH 215 - Differential Calculus, MATH 222 - Calculus and Analytical Geometry II, MATH 226 - Integral Calculus I, MATH 235 - Integral Calculus II, MATH 300 - Multivariate Calculus, or MATH 380 - Advanced Calculus	3
	Choose:	**Statistics** Choose from: MATH 250 - Statistics I or MATH 338 - Mathematical Statistics and Probability	3
	Additional hours from the above categories to make up 24 hours		
	Choose:	Choose from categories above:	3
	Choose:	Choose from categories above:	3
	Choose:	Choose from categories above:	3
	Math Electives Choose from the courses listed on the matrix (if not already taken above) to fulfill 33 hours of Math courses. (Contact advisor or Education Dept. Office for options.)		
	Choose:	Math Elective:	3
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	Choose:	Math Elective:	3

PROFESSIONAL EDUCATION COURSEWORK **57 hours**

Grade	Course #	Course Title	Cr Hrs	Field Experience (observation hrs) included
	SOCI 270	Diversity and Society	3	
	EDUC 200	Law, Ethics, and Education	3	15 hrs

	EDUC 220	Methods of Teaching English Learners	3	
	EDUC 230	Educational Psychology	3	
	EDUC 300	Techniques of Teaching	3	15 hrs
	EDUC 311	Classroom Management Techniques	3	15 hrs
	EDUC 390	Education & Psychology of the Exceptional Child	3	
	Choose option	EDUC 396 – Child and Adolescent Development; or EDUC 391 – Child Psychology **and** EDUC 392 – Adolescent Psychology	3	
		Admission to the Teacher Certification Program (See Teacher Certification Program Checklist)		
	EDUC 322	Educational Measurement and Assessment	3	
	EDUC 338W	Content Reading and Writing	3	
	EDUC 360	Teaching Mathematics in Middle and Secondary School	3	15 hrs
	EDUC 376	Adolescent Literacy	3	15 hrs
	EDUC 400	Senior Seminar	3	
		Approval for Student Teaching (See Student Teaching checklist)		
	EDUC 425	Undergraduate Student Teaching	12	
		Total Credit Hours	51	
		Approval for DESE Certification recommendation (See DESE Certification checklist)		

Retention Criteria:

- Complete at least 6 hours of professional education each year
- Complete Field Experiences and receive favorable evaluations from cooperating teachers and college supervisors
- Maintain a cumulative GPA of 3.0 or above in professional education courses and GPA of 2.5 or above in content area courses

Other requirements that must be completed prior to certification:

- Successful completion/passing of appropriate Content Area Assessment - Praxis
- Successful completion of program certification performance assessment - MEES

Other Requirements:

Post-Baccalaureate certification students completing the FAFSA to receive financial aid for certification must complete the following questions on the 2026-27 FAFSA accordingly:

Section 4 – Student College or Career School Plans:

- "When the student begins the 2026-27 school year, what will their college grade level be?" – Answer "Other undergraduate (junior year and beyond)"
- "When the student begins the 2026-27 school year, will they already have their first bachelor's degree?" – Answer "Yes"
- "Will the student be pursuing an initial teaching certification at the elementary or secondary level?" – Answer "Yes"

https://studentaid.gov/h/apply-for-aid/fafsa

Graduate Post-Bacc and the MAT degree

If you are planning to reapply to the college for the Graduate Post-Baccalaureate program (in order to take some of your certification courses at the graduate level), note that you may want to delay some courses until after you're admitted to the Graduate Post-Bacc program. For example, the graduate equivalent for SOCI 270 and EDUC 230 (EDUC 555 and EDUC 560) are core courses for the MAT (Master of Arts in Teaching) degree.

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